

Application No.: 10/675,166
Reply to Office Action of July 27, 2003

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Cancel claims 1-4.

5. (currently amended) ~~The queuing system recited in claim 4~~ A queuing system comprising:

a plurality of interconnected directors, each one of the directors having:

an input/output interface section for receiving information from a source thereof and for returning information to interface to such source; and

a microprocessor for processing information sent thereto from a remote one of the directors, each one of the microprocessors having a CPU and a CPU memory, such CPU memory storing a queue for inbound information passed to such director for processing therein such information being sent to the remote director from an originating one of the directors; and

wherein each one of the input/output sections includes a queue for outbound information being returned to the source through such originating one of the directors after being processed by the microprocessor of such remote one of the directors ;

wherein each one of the directors includes a translation table, such table storing at a location thereof corresponding to each one of the remote directors a producer index for the queue of such remote director and a consumer index for such one of the remote directors; and;

wherein the location for the table is a function that takes some part of the receiving information in the queue entry and derives the location into the table therefrom.